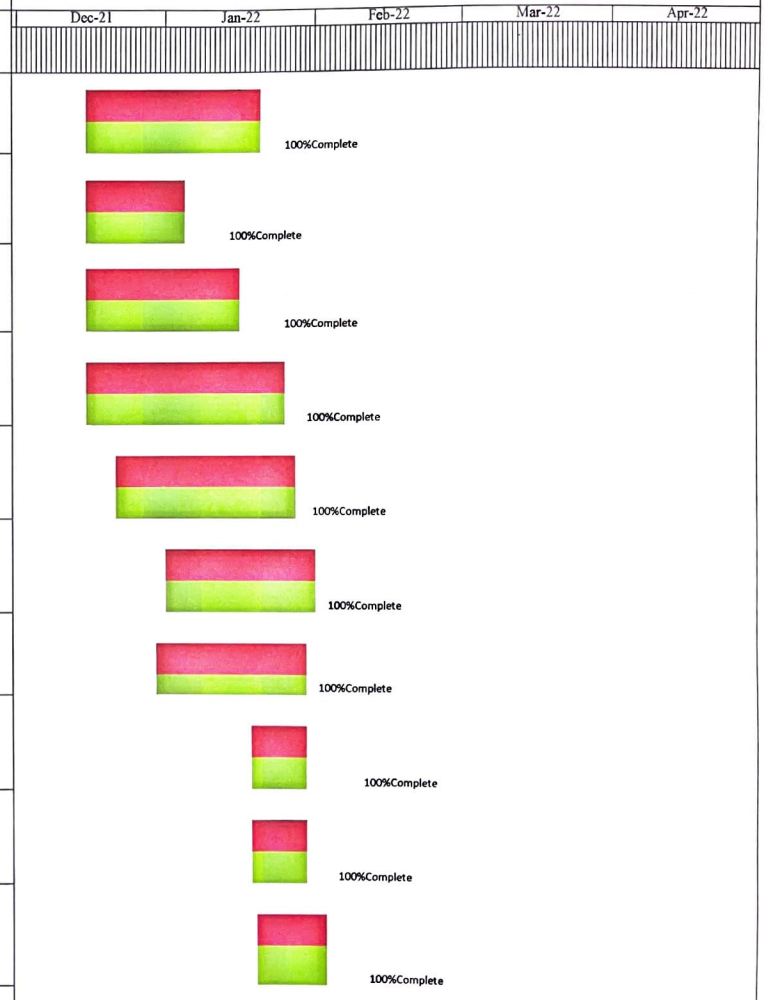
BRUHAT BENGALURU MAHANAGARA PALIKE

Clients Name	:	Executive Engineer Byatarayanapura Division	
Project Name	:	Improvements to roads and drains at MCECHS layout in ward no. 05 Byataranapura Sub Division	
Consultants	:	Civil Pro	
Project Manager /Team Leader	:	Karthik Rechan	
Project Start Date	:	15-Dec-21	
Project End Date	:	15-Dec-22	
Project Length in Months	:	12 Months	

Sl No	*Assignment*	*Unit*	*Tender Qnty*	*Qty of Work done*	*% Of Work done*	*Start Date*	*End Date*	*No. of Working Days*
1	Removing B.S Slab of Drain and stacking and (5km lead = 57+2*1.28X5) complete as per specifications and directions of the Engineer in charge.	Sqm	2696.04	2696.04	100	18-12-21	20-01-22	33
2	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications and directions of the	Cum	36.23	36.23	100	17-12-21	06-01-22	20
3	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications and	Cum	175.44	175.44	100	17-12-21	14-01-22	28
4	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods(8km lead = 57+2*1.28X5) complete as per specifications and directions of the Engineer in charge.	Cum	3867.02	3866.52	100	17-12-21	21-01-22	35
5	Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing	Cum	351.60	351.60	100	22-12-21	23-01-22	32
6	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing	Cum	793.71	793.71	100	30-12-21	30-01-22	31
7	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks	tonne	50.09	50.09	100	27-12-21	26-01-22	30
8	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate) complete as per specifications and directions of the Engineer in charge.	Sqm	1811.25	1811.25	100	17-01-22	29-01-22	12
9	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc complete as per specifications and directions of the Engineer in charge.	Sqm	160.02	160.02	100	17-01-22	29-01-22	12
10	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM	Cum	37.96	37.74	99.4	19-01-22	02-02-22	14
11	Removing and resetting of kerb stones complete as per specifications and directions of the Engineer in charge.	0.00	0.00	0.00	0	0	0	0



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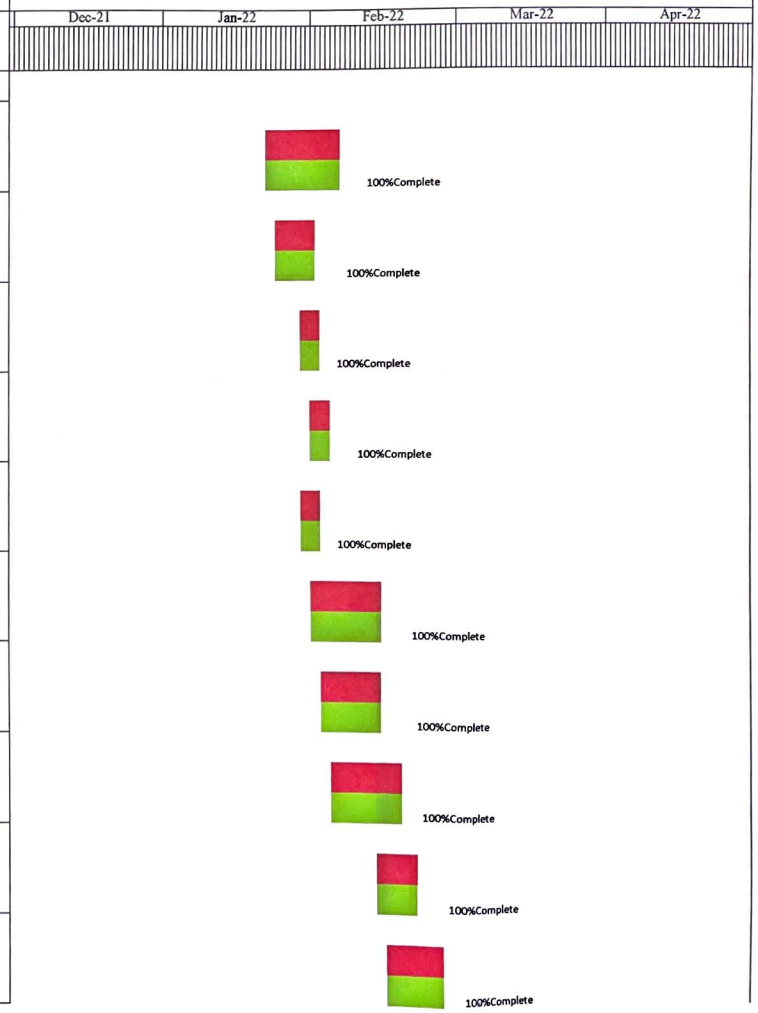
12	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation	Nos	3370.00	3370.00	100	22-01-22	10-02-22	19
13	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications and directions of the Engineer in charge.	Sqm	759.30	759.34	100	25-02-22	02-03-22	5
14	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and directions of the Engineer in charge.	Cum	524.85	524.85	100	29-01-22	02-02-22	4
15	Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications and directions of the Engineer in charge	Cum	1857.38	1857.38	100	01-02-22	05-02-22	4
16	Scarifying by mechanical means stone metal crust 50mm to 100mm thick with pick axes along with premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges complete as per specifications and directions of the Engineer in charge.	Sqm	3234.69	3234.69	100	29-01-22	03-02-22	5
17	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications and directions of the Engineer in charge.	Sqm	5069.16	5069.16	100	01-02-22	14-02-22	13
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the	Cum	795.30	795.30	100	02-02-22	13-02-22	11
19	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory	Cum	1624.52	1624.52	100	05-02-22	18-02-22	13
20	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complete as per	Sqm	7266.63	7266.63	100	12-02-22	19-02-22	7
21	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and directions of the Engineer in charge.	Sqm	8898.16	8878.16	100	15-02-22	25-02-22	10



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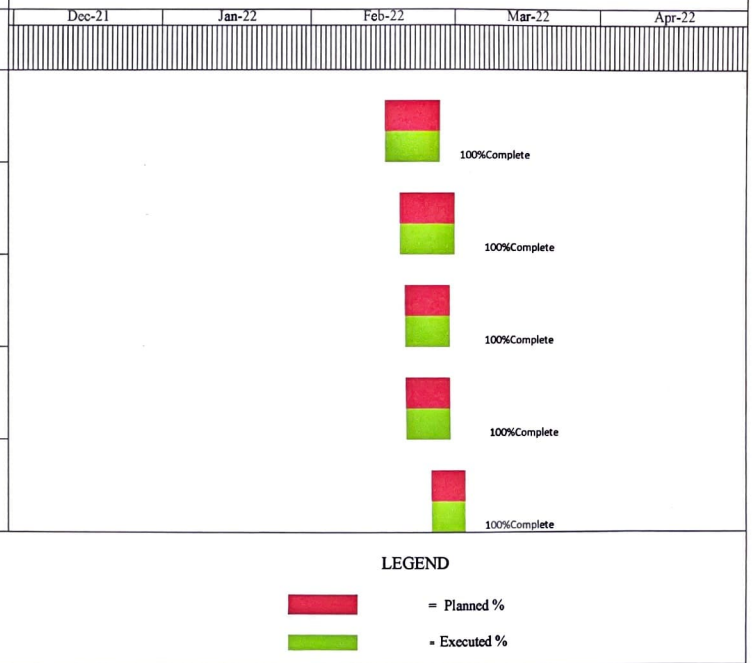
22	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as	Cum	443.91	443.91	100	15-02-22	25-02-22	10
23	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications and directions of the Engineer in charge.	Sqm	12998.77	12998.77	100	18-02-22	28-02-22	10
24	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and directions of the Engineer in charge.	Sqm	12998.77	12998.77	100	19-02-22	27-02-22	8
25	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in	Sqm	519.95	519.95	100	19-02-22	27-02-22	8
26	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards	Cum	330.31	330.31	100	25-02-22	02-03-22	5



ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
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